

<212> DNA

<213> A.fumigatus

<400> 4320

ctcagccaat	ctgataataa	agttatgtct	atgtattcta	acatgttcca	tcaggttgaa	60
agattgcat	gtaacatggc	tttatgggcc	gttgaagtcg	tgcaccaagt	ttacaaaagc	120
gtcgccgagt	atctccccac	cgccgagctg	cctcgaaacc	ccctcgttgt	atgcggacag	180
ggaagccgat	cttctcatgg	ggcggcaaga	tccgaaaata	tcccc		225

<210> 4321

<211> 1119

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (998), (1006), (1023)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4321

tcgaagtgtt	gcctccagca	tctattcaac	tccaatcttg	cacccagtcc	cttcgctcct	60
ttcaaagatc	gggctcctct	tgtctcgaag	agctgcatca	tgacggactc	atcaacgcca	120
gatatgacct	taacgggtcca	ccaccatggc	aaaccacaca	ccttcaccct	ggccccggac	180
gcaacactgc	aagacctctc	ctccaccatc	gccgacacc	tcaacatccc	aatcgagaac	240
cagaaaatcc	tcctcgcccc	gaaaccaggc	atgcagaagc	accccttcgc	gccgaccccc	300
ctctcaaccc	tcctccccct	cacctctccc	aaattcaaac	tcaccctcct	cggcacccca	360
gcccaggaaa	tcgaatccct	gaacgcccac	acagccgaaa	cccgccgccc	ccttgaagcc	420
cgcgcgccc	ctgcccgaac	acaccgcacc	cggcgcccc	ctcccagcat	cgcagggggc	480
atccacaccc	tctcaagcgc	cggcagcaac	acctacacct	tcaccgggct	cctcccgcct	540
tcatacctgc	ccaatccgtc	gcggctcgtg	gagtttcttg	ccgcctcgtg	tgacgacccg	600
ggcatccgcg	ccgcatggc	aaagcaccgc	ttctcgggtc	cgtcgtgac	ggagatggat	660
cggcccgagc	ataccacgag	cgaatccgc	acgctcggtc	tgaatcggaa	taaaggcgag	720
gtgatcgagc	tgccggtcgc	cacggatgcg	tacgacggat	accgcgatta	ccggacgatt	780
cgcaagacgc	tgtgccatga	gctggcgcac	tgtgtgttta	gcgagcatga	tcgggatttc	840
tgggatttga	cggcgagat	cgagaaagaa	gtggagccgg	cggattggaa	gcattggggg	900
aagagggttaa	cggatgaaga	gttttataat	cccgggggaat	gggagcggga	gaaagatgcc	960
gctgtggttg	atgaaaagg	gtggacgggg	ggcgaatntg	tgctangggg	gttgaaggat	1020
ganaaacctg	gtgtcgaaag	tcgacgggag	attataacct	gcgcggcgga	agaaaagatg	1080
cgcaaaaaag	aggataatat	aatgggcccc	gggaggtga			1119

<210> 4322

<211> 441

<212> DNA

<213> A.fumigatus

<400> 4322

caaacgcaat	cgccgtggaa	cgtaatcgaa	gtgttgccct	cagcatctat	tcaactccaa	60
tcttgacccc	agtcctctcg	ctcctttcaa	agatcgggct	cctcttgtct	cgaagagctg	120
catcatgacg	gactcatcaa	cgccagatat	gaccttaacg	gtccaccacc	atggcacaacc	180
acacaccttc	accttgcccc	cggacgcaac	actgcaagac	ctctcctcca	ccatcgccga	240
cacctcaaac	atcccaatcg	agaaccagaa	aatcctcatc	gccccgaaac	caggcatgca	300
gaagcaccac	ttcgcgccga	ccccgctctc	aacctcctc	cccctcacct	ctcccaaat	360
caaactcacc	ctcctcggca	ccccagccca	ggaaatcgaa	tccttgaacg	cccaaacagc	420
cgaaaccogc	cgccgccttg	a				441

<210> 4323

<211> 420
 <212> DNA
 <213> A.fumigatus

<220>
 <221> unsure
 <222> (222)
 <223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4323
 agccggaaga caagaatgtc agcccagctg aaacggcagc gtcggtccaa gattgcctgt 60
 gagccatgcc ggaccaggaa gaggaagtgc aacggccagc atccttgcca gatgtgcaca 120
 gactctgagt acacatgcca ctatgacttg ggctctcgca agaaacgaaa caagggcctc 180
 gtcctggaaa gtctgatgac agtccgaccg gcgcagatgc ancatgcggg gtcacattgg 240
 gagcgcccaa cgccccgac tccacgacgt ccacgcgcgc cagtggagcg atttaccac 300
 actgtgcagc agtcgattgg gaccaattcc ggcgcattct tggttcagaa cctggggact 360
 caagatcgac cctgggtctac gccctccaat cctccagtct tcccgttga atatccgggc 420

<210> 4324
 <211> 789
 <212> DNA
 <213> A.fumigatus

<400> 4324
 gctcagacat ccagacttga ggcgcagctt gctgacccaa acagaatcca taagatgac 60
 ctggatgacc tgggcgtccg acagattgca gctgtcgtcg gtgggtccat gggcggcatg 120
 ttgacccttg agtacgccta tttcgcaaaa gactatgtcc gggctattgt tccaattgcc 180
 acttctgccc gccactcggc gtggtgcac agctgggggtg aagctcagcg gcaaagcatc 240
 tacagtgatc ccaagtatga ggacggttat tattcattcg atgaccctcc agccaccggc 300
 ttgggagcgg cacgcatgtc cgcccttctg acctaccgaa gccgcaattc tttcgagtct 360
 cgctttggta gaaacgttcc cgaccctcg aagagacaga atatcaatgg caccgagcgt 420
 ttgccgactc cgccgaatga acactgggcc attcataatg atggtcacaa ggccggcatg 480
 tcttctcggg cctccagcga gcgcaactcg cctgggcccgc agcagtcctc tgaagtccag 540
 tatatggatc ctcatgtctc cggcacaagg acgttttagct ctcccgtcag taacagtgc 600
 aggaagcggc cccctaccta cttttcagca caatcctatc ttcgatacca gggagagaag 660
 tttgtgaaac gatttgacgc taactgctac attgctatca cagcgaagct cgacactcat 720
 gacgtgtccc gataccgggg tcttcaccac ggggtggaaa ggcgctgcc tgcaaacaag 780
 atcagcagc 789

<210> 4325
 <211> 450
 <212> DNA
 <213> A.fumigatus

<400> 4325
 ctacttggtg aacagctact aaatcccgtg gagagagttg cctccttgcc tgaaaatcca 60
 tatgcaaaac tcatcacgga tcagtctatc gctattatcc cgctatttac cctggaatcg 120
 ggggtgaccc tctacaatgt tcctgtcgcc tacacaacgc ggggtgaaat gtccccaac 180
 cgtgacaacg tgctgggtgat ctgccatgct ctgagcggaa gtgccgatgt ggcggactgg 240
 tgggggcctc tgctgggagg acccgggtcaa gcctttgata cgtcacgatt ttttgtcatc 300
 tgcttgaaca gtctgggtag tccttatgga agtgcaagtg cgtgactta caaggatggc 360
 aatcccgaaa aaggcctgta cgggcctgaa tttcctctta ccactgtccg ggatgacgtg 420
 aggttagtga gtcagacat ccagacttga 450

<210> 4326
 <211> 234

<212> DNA

<213> A.fumigatus

<400> 4326

aaatttccgc	acgtactttt	ccatggacct	cctgggacag	ggaaaacatc	cacaattctt	60
gctctggcgc	gtcagctata	tggcgatgct	ggcatgagcc	agatggtcct	tgaattgaat	120
gctagtgatg	acaggagtgt	acataacgtc	cagacacgga	tcaaagcatt	tgcaagtatg	180
ttgactagcc	ctctcctaga	tcaaagtatt	cctaaccctg	tttctttttc	ctaa	234

<210> 4327

<211> 522

<212> DNA

<213> A.fumigatus

<400> 4327

ggcacaaggc	ccattttcaa	agttccttta	cgggagagtc	cttataacat	gtttaaactt	60
gttataacttg	atgaagctga	tacaatggac	cacactgcac	aaatggccct	tcgtcggatc	120
attgaagatt	atgcagcctt	cactcgtttc	tgcattatca	ccaataatat	tcatagacta	180
ttaccagcct	tgatctcacg	gtgcgcacgg	ctccgggttc	cacctctgcy	accttctgcy	240
atacgaactt	tgttattgca	ggtcgccaca	acagaaaata	ttcaagtcag	accagaggcg	300
ttagaatatc	tatctactac	cagccacggt	gacatgaggc	aggctttggc	cgtttttacaa	360
gaatgccatc	taaatagtac	gttttggtcg	gatgatgaat	ctaccacgac	tatatctcgg	420
ataaaaatttc	taatgatggc	ttcagaaaacc	tctcaacagg	catcgacatc	aaatctccct	480
gccaggggag	tgattactgt	ggagaccatt	cgagagtata	ct		522

<210> 4328

<211> 1074

<212> DNA

<213> A.fumigatus

<400> 4328

atgagtatgt	caaccagtt	ggctcattgc	actgcaacta	aaagcttaca	tcgatacagt	60
atctctgagc	tttccacca	gaagattgcc	caacacaaca	tccccctcgt	ccaaaacacc	120
gccgccaatc	cttatgccct	gtacaaagcc	ttgogtcaga	cacctgactc	caccgacaac	180
gataaactct	ttgactacca	gaataatgtc	atgatgggta	attctcatgc	agcggacctt	240
ctagtccaga	agtatgatgg	aatcatccgc	tccgcatcca	aaagtactct	cccaagcagc	300
ctgtccctcc	ctccaatgct	aggaccaact	gcctctccgt	ctacagcgca	gcggcacacg	360
cacaaggcca	aaccggggcc	caaggccctg	aaagccatct	tccgggtctt	ggagagacgg	420
cccaaggaca	tcgggctggg	cctgactgtc	gttcagctct	acgtcaatgc	aggcaatact	480
acttctgcca	tcaacacgct	ggagaaaactg	ctccagaacc	tcgacgagtc	cattgctgaa	540
caagacaagg	atatccgctt	cagccccggc	ctgcttactg	tgctgggtgc	cttgtacaag	600
cttgaaggcc	gcaagggcca	gattcgatcc	gagttagcga	aggcagcgag	ccactggcga	660
aaccgcgcgc	aagcccccg	gccactcctc	cgtgccgcag	cagcctcggt	attacattcc	720
tccgaccgtg	cagacctatc	cctgtccgga	gaactgttca	aggatctgta	cgggaatggc	780
accggcgacc	aattcgagct	ggccggctat	gtcgccctgc	aggctaccct	cgactacgcc	840
aaggctcgag	cgcagctcga	aagcctccca	cctgtcgatg	agctgatcgc	agacgttgat	900
gttgccgccc	tggagcaagc	aggcatctct	ccttcctcgg	cgacagcggc	agccgctgct	960
gccgcgatcg	ccggcgcgag	gaagaggact	gcagcggaga	gccaaatccg	cgcgacgaaa	1020
cggatcagga	agtcgcgtct	tcaccacgcg	ggctggaagg	acacgcgtcc	gggg	1074

<210> 4329

<211> 204

<212> DNA

<213> A.fumigatus

<400> 4329

tactaccaga	ccaccacgcc	ctactcagcc	agccaagacc	catacgaaca	ggcaatatcg	60
accattcaga	actcgacctc	cctccataat	ggatactggg	cttcaaaatt	tacaagggtta	120
gcacgtttcc	agggtagaca	agccggttct	gatttgtttc	ggaagattaa	ctacatgagg	180
ctggcactgt	attactggcc	ttga				204

<210> 4330

<211> 561

<212> DNA

<213> A.fumigatus

<400> 4330

gcactatatg	acactacatt	tcattttatc	catgccgagt	tctattctcg	atttactggg	60
ctgaaggcca	tattctatga	catgacgagc	ttgcactttt	ttaatgtggg	tctgagcctt	120
ctagctctat	ttcccgtcgt	tctggcacia	acatgctgga	ggaacacgac	ttgttcaggg	180
ccaaaagaca	gtgcgttcga	agggccatgg	gaacggggca	tttatgcgcc	ttcttcaagg	240
accgttcgtc	ctaagaagg	tctgtccatc	accgacttga	gcctgagctc	agcttatgca	300
caagcgatgc	cggccactct	ccatggcaat	gggtcacttg	tcatattcga	ctttggcatc	360
gaagtcggcg	gtatcgtcac	tctgaattat	acctcctcag	gtagtggagc	gttaggaata	420
gcgtttacag	aggccaagaa	ctggataggc	gagtggtcaa	aatcgctcaa	cggcgcaatc	480
aaaggtcctg	atggggcact	atacgcaaac	tttaactcag	gctggaaggg	cctcgataca	540
atgccggacg	aaaccttgcc	t				561

<210> 4331

<211> 306

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (256),(297)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4331

tctcatgcaa	tgccgccttc	gataatctcc	ctcgctcgctc	tctcactttt	tctcgggctg	60
gcgtacgctg	gcggcggtga	aaaggacaaa	cgagacaatg	tctgtaccgt	caaagcaaat	120
ggaaagcaga	aggatgatgt	gccaaacctt	cttagggctt	tcaatgaatg	cggaaatgga	180
ggcacaatca	tctttcctga	agatcagtca	tattggattg	gggcgagact	taatcctgtt	240
ctgaatgatg	tctcantgca	atggaaaaga	aagtggacag	taggtcctcc	tgctctntgc	300
ctctaa						306

<210> 4332

<211> 867

<212> DNA

<213> A.fumigatus

<220>

<221> unsure

<222> (700)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 4332

ccaatattaa	ccatgccgcc	ggcatctacg	cggacatgtc	ggtggatggg	ccggcaatcg	60
gcacgctggg	cgccgtcatt	gatcgcgcg	agaatctgcc	gaatcgaaag	actatgggga	120
aacagaaccc	gtactgtgct	gcacgggttg	ggaaggaagc	gaagaaaaca	gagactgacc	180
tgccgcggagg	gcagacgcgc	aaatgggtatc	gccccattgt	cccttgagcg	gtcgaatcat	240
gctgaccgca	atgccaggga	tcaggaaactt	cggttcacgg	tgacagagtc	acccgactac	300

ttcagactca	aggtctcggt	cttcaacgat	gacaaaaaga	ccgacctgat	cggcgaaacc	360
tggatcgatc	tgaaggactt	gatcatcccc	ggaggcagcc	agagcgacca	atggcatccg	420
ttgcagtacc	gaggaaagta	tgccggtgag	gttcgcatcg	agatgactta	ctacgatacc	480
aggccagaag	acgaggcggt	gattgaacgg	cgaacgcaag	ccgccgagaa	ggcccatgcc	540
aagagcaata	gttcgagacc	ggccccggcc	gctcctgtca	cctcgtcgtc	gtcgtcgtcg	600
tctcgtcgt	cgtcatcgtc	tctgtcgggc	cctcgccagc	tcgagaaggt	caagagacgt	660
ccgtttccga	acgaccctac	cgccgcgact	cctgcgcgtn	cgggaccccc	cgaaaagacc	720
tccccgcgcc	ttgtgcgttt	catccggctc	caggggaagac	cgggtgcacca	tgagcatgct	780
catttcatgc	ctgccatgaa	tagccccgat	cacattcgct	attcgcaacg	acaagcaccc	840
aaggcgcccc	acgatgcatt	ttccttc				867

<210> 4333

<211> 336

<212> DNA

<213> A.fumigatus

<400> 4333

tctcgtcga	taatatttcc	acaagctaca	cggggccagt	ctgcggtgga	cgcattgaga	60
acgaaaatgc	ctggtttcgc	ggattcattt	tggacaccgg	actatgctac	cggctcttggg	120
gtgctgtatg	ggaaactcca	acaggggtgtc	actgaaaaca	ggcagattct	cactatttgcg	180
agcttgcgag	cggatgcgga	ggagcagtat	gggtctcaagc	taggggagat	cgcgcccagc	240
gttgaccgca	tgacagcagg	gtttgcgaaa	gacgatgggg	ccagcgtgag	aaaggtaggt	300
tattcttcac	cctttcgagg	gaggtcatt	tgtctga			336

<210> 4334

<211> 216

<212> DNA

<213> A.fumigatus

<400> 4334

ctctcacttc	tgctaaacgt	ccgctctggt	cgatcttttag	gcgccctcat	atacattctc	60
ctcaagccca	tgcctgcggc	cgatttggtc	taccctggga	tttgcaagtg	cgataaaaag	120
aagcgtttcg	gaagagtctg	gtcactcatt	atccctttcg	cattcctctc	tgctgtcgaa	180
gctgcctcag	gagtatctca	gcgtgtgggt	gtgtga			216

<210> 4335

<211> 645

<212> DNA

<213> A.fumigatus

<400> 4335

gttattcttc	accctttcga	gggaggctca	tttgctgac	gtatgcgttc	tcaggcgtat	60
gaaggtgttc	gctcggaaat	gatagaggcc	tccaaaaacc	atcaaaagat	tgcatcgaat	120
atccgtgaac	tcgttggttc	ccccttcaga	cgatggtgtg	accagcacga	ggctcgaatt	180
cagaactccc	atgacgatct	tcaggccccg	attaaggagc	atacaaagca	ggtggaactt	240
accaagaagc	tacggagcca	ctactttaac	aagtgtcggg	tggtagagga	tctggaagaa	300
gaaaacaagt	tggctttcca	ggaccctgag	accagtccca	aggtcaaggc	gacaccaag	360
attgttctgc	cggaagaaca	agcagaggag	gaggagccga	ttgagctggg	agatcgagtc	420
tacgcccccg	aggacctcaa	gaagctcctg	acacacatgc	ttgataatat	caagattggg	480
gaggtcaaag	tgctatcat	tggaaacttat	cagaatacat	ccaacggtgc	tgatatcgtg	540
gagtatattc	aaaagtacat	gaacggaacc	agcatcagct	atgcggagag	aatcggtcag	600
gaccttggtg	ttctttttacc	acagggggcg	gaaggaaccg	cataa		645

<210> 4336

<211> 465

<212> DNA